HANDOUT #5 - ANNUAL REPORT ON PCBs

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Your Seattle City Light

Memorandum

DATE : March 10, 1987

TO : M. Macdonald, Lynn Davison

FROM : Gerd Jerochim, Chairman PCB Oversight Committeee

SUBJECT: Annual Report - PCB Activities 1986

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Environmental Affairs Division

The following is a brief summary of highlights of our collective activities relating to the management of PCB's at Seattle City Light.

Policy

Developed the department policy for PCB management. Policy #500 P I-1001 became effective July 9, 1986.

Superfund

Completed multi-party voluntary cleanup at the Strandley scrap metal site. Monitoring continues.

Began involvement with another multi-party voluntary group to cleanup the Ross Electric Coal Creek site.

Provided information to regulatory agencies on our sales to Seattle Iron and Metal and Northwest Transformer - probable future cleanup sites.

Spill Prevention & Cleanup

A PCB and oil spill response team has been formed within Transmission and Distribution Division's construction unit. The team consists of a crew leader and three volunteers, plus enough personnel to field three complete four-person teams. Training in sample gathering, field testing and spill cleanup procedures has begun. A major hurdle to overcome was the availability of specialty trucks and equipment to handle waste containers. We are currently working with existing equipment to provide an adequate response effort while future equipment needs are being reviewed.

The warehouse unit has also assigned and trained a special oil spill cleanup response team for cleanup activities at the North and South Service Centers.

Field supervisory personnel were provided with a listing of labs that may be called during emergencies to assist in determining proper safety, testing, and cleanup procedures.

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Contracts, Consultants, Services

Initiated a consultant project to evaluate the effectiveness and feasibility of the department rinsing its own transformers with special solvents to remove PCB residues.

Prepared a new set of specifications for our PCB disposal contract, which will require disposal companies to handle our PCB materials in a thoroughly responsible and protective manner.

The Toxic Substance Unit shipped to Environmental International 652,225 lbs. of PCB and PCB Contaminated materials for disposal by incineration.

The unit also shipped to a recycler, Petroleum Reclaiming, 31,000 gallons of oil under 50 ppm PCB oil.

The Eastern Electric Company PCB decontaminated several network and URD transformers; specifications were forwarded to City Purchasing to decontaminate 30 more transformers in early 1987.

Education and Training

A formal training program was developed for the safe handling, testing, inspecting, and cleanup of PCB items. The Program is to be administered in 1987.

We completed SCL's "PCB Manual" providing guidance for field personnel on how to comply with PCB regulations and how to respond to emergency spills or fires.

Prepared a video "Questions and Answers Health Effects of PCBs" with Dr. Dave Eaton, Toxicologist, University of Washington. This will be shown during our PCB training and will be available to anyone interested.

Produced a video "PCB's: The Challenge for Utilities". The video is being distributed by the American Public Power Association. Its purpose is to educate utility managers about the importance and complexity of complying with PCB regulations. This is part of our Toxic Substance Control Act (TSCA) fine settlement.

Gave two one-day Substation Cleanup Workshops for an audience of nationwide utility representatives.

Presented Seattle City Light's PCB Management Program at the Electric Power Research Institute and the Northwest Public Power Association. (SCL's program - including the PCB Management Committee, Short Term Recommendations Report, and video - were similar to the formation of NWPPA's PCB/Hazardous Waste Task Force.)

Major Stations

- Five capacitor banks were removed
- All major equipment containing oil was tested and labeled
- Three 120-kV breakers were cleaned
- Station inspection procedures for Power Station Operators were modified to provide regular inspections for oil leaks.

Unit Substations

- Four sites with PCB transformers were deactivated; 51 sites are left.
- All unit substation capacitor banks were removed.
- Four sites were decontaminated.
- Auxilliary PCB transformers were removed from eight sites.
- Voltage regulators were removed at Columbia, the site cleaned, and blood tests were performed on potentially affected residents.

Warehousing & Storage

- Warehousing personnel worked to expedite the construction of a new PCB storage building at the South Service Center. (Construction is due to begin in April 1987).
- Warehousing and storage procedures were modified at the North and South Service Centers to be in compliance with latest regulations.
- All oil filled devices entering the field are now being labeled according to PCB content.
- The Process has started to computerize the life cycle of all oil containing equipment.

Records

Record keeping process defined: record generation responsibility spelled out; and records maintenance function for department centraized in material Management division.

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TRANSMISSION & DISTRIBUTION DIVISION

PCB CLEANUP SUMMARY

Item	Qty System	% Tested	PCB	PCB Contaminated	Cleaned-up	*
Network Transformers	784	86%	27	147	55	-0-
Overhead Transformers	43,632	4.6%	2	10	-0-	2,000
URD Transformers	6,853	10%	30	15	9	3
Overhead Capacitors	188	-0-	122	----	-0-	66
Streetlight Ballast	41,297	----	all	----	----	37,797

* Cleaned in shop, replaced or surplused.

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